

**Abstract of the Disclosure**

A flow-through assay device for detecting the presence or quantity of an analyte residing in a test sample is provided. The device utilizes a detection zone and compensation zone within which are immobilized capture reagents. The present inventor has discovered that the presence of a compensation zone may enable the detection of an analyte over extended concentration ranges. In particular, the compensation zone facilitates the binding of probes that would otherwise bind within the interior of assay device or that would exhibit "self-quenching."